

Converting Colors

XYZ(69.2514, 100.0000,
47.8389)

Have a look what the booklet for
XYZ(69.2514, 100.0000, 47.8389)
contains.

XYZ(61.2230, 83.9337, 45.3218)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(61.2230, 83.9337,
45.3218)**

Conversions

Conversions Part 1

Format	Color
Hex	B6FF9E
RGB	182, 255, 158
RGB Percent	71%, 100%, 62%
CMY	0.2863, 0.0000, 0.3804
CMYK	0.29, 0.00, 0.38, 0.00
HSL	105°, 100%, 81%
HSV	105°, 38%, 100%
XYZ	61.2230, 83.9337, 45.3218
YIQ	222.1150, -12.3710, -45.6430

Conversions

Conversions Part 2

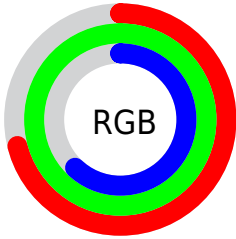
Format	Color
RYB	158, 255, 231
Decimal	11992990
CIELab	93.42, -39.83, 39.33
CIElCh	93, 55.977, 135.365
Yxy	83.9337, 0.3214, 0.4406
Android (android.graphics.Color)	4290183070 (0xFFB6FF9E)
YUV	222.1150, -31.6087, -35.1809
Hunter-Lab	91.6153, -41.0422, 34.8002

Details

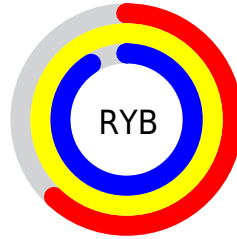
The XYZ color **61.2230, 83.9337, 45.3218** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **63.2329, 48.6639, 100.6681**, and the grayscale version is **69.7347, 73.3663, 79.8959**.

A 20% lighter version of the original color is **83.8328, 94.9003, 77.5175**, and **31.3481, 45.8437, 20.5611** is the 20% darker color. If you saturate the color by 10%, you get **55.0247, 80.9662, 34.7386**, and if you desaturate by 10%, it is **68.4987, 87.4040, 58.3350**.

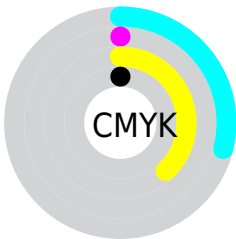
Distribution



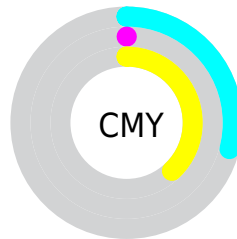
- Red (71%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (91%)



- Cyan (29%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.2230, 83.9337, 45.3218 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 61.2230, 83.9337, 45.3218 by changing the saturation by 10% instead.


 61.2230, 83.9337,
45.3218


 61.2230, 83.9337,
45.3218


418.8540,
508.0930, 384.2734

 44.6584, 62.9607,
31.3662


 105.6980,
138.8824, 84.5267

 31.3886, 45.8094,
20.6170


 134.3392,
173.6269, 110.6130

 21.0482, 32.0955,
12.6559


167.7365,
213.7308, 141.5799

 13.2719, 21.4344,
7.0641

206.2555,
259.5783, 177.8461

 7.6943, 13.4419,
3.4231

250.2613,
311.5538, 219.8300

 3.9501, 7.7336,
1.3145

300.1195,

 1.6740, 3.9249,

370.0419, 267.9501

0.0737

356.1953,
435.4268, 322.6251

■ 0.4399, 1.6317,
0.0000

■ 0.0000, 0.3788,
0.0000

■ 61.2230, 83.9337,
45.3218

■ 61.2230, 83.9337,
45.3218

■ 55.0247, 80.9662,
34.7386

■ 68.4987, 87.4040,
58.3350

■ 49.8491, 78.4766,
26.4309

■ 76.9002, 91.3991,
73.9121

■ 45.6383, 76.4387,
20.2326

■ 86.4744, 95.9403,
92.1818

■ 42.3274, 74.8232,
15.9532

95.0500, 100.0000,
108.9000

■ 39.8428, 73.5969,
13.3679

■ 38.0922, 72.7191,
12.1722

■ 37.8156, 72.5797,
12.0162

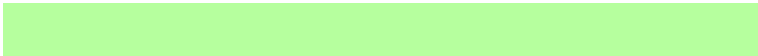
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.4845, 83.9337, 33.2508



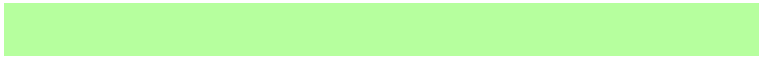
61.2230, 83.9337, 45.3218



55.3288, 83.9337, 72.3381

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



61.2230, 83.9337, 45.3218



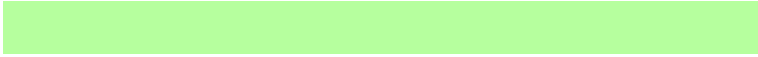
72.8127, 83.9337, 194.8565



110.4197, 83.9337, 71.4854

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



61.2230, 83.9337, 45.3218



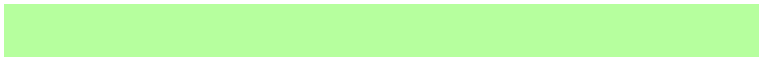
63.2329, 48.6639, 100.6681

Split Complementary

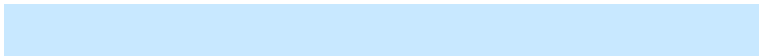
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



110.5360, 83.9337, 113.5227



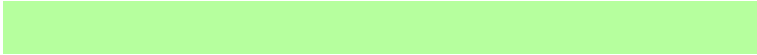
61.2230, 83.9337, 45.3218



87.5418, 83.9337, 194.4127

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



61.2230, 83.9337, 45.3218



61.4376, 83.9337, 162.3586



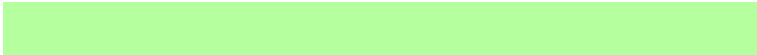
101.7440, 83.9337, 161.2867



101.4435, 83.9337, 44.8645

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61.2230, 83.9337, 45.3218



54.7065, 83.9337, 99.2082



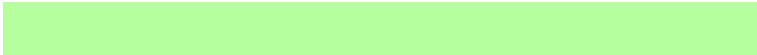
101.7440, 83.9337, 161.2867



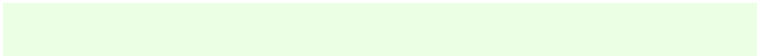
111.5298, 83.9337, 83.9928

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



61.2234, 83.9339, 45.3231



83.5138, 94.5371, 86.4827



75.9180, 80.7411, 43.9323



17.5929, 20.1009, 17.9699



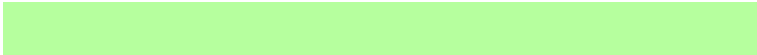
0.0000, 0.0000, 0.0000



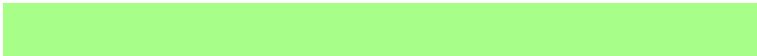
20.3446, 21.4041, 23.3091

Same Dimension

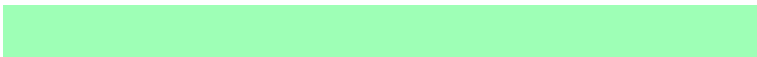
The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.2234, 83.9339, 45.3231



56.2033, 81.5315, 36.7060



58.3307, 82.1772, 57.1801



18.1925, 20.3851, 19.1202



19.8723, 37.9826, 6.2840



2.0291, 3.7468, 0.6163

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



63.2329, 48.6639, 100.6681



58.4529, 41.4763, 99.5327



67.8560, 51.4701, 81.7752



18.3279, 18.0608, 22.7700



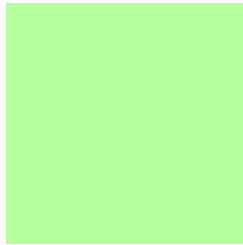
20.9214, 9.6958, 50.2034



2.1362, 0.9952, 4.8928

Previews

White Background



This preview shows how the XYZ color 61.2230, 83.9337, 45.3218 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 61.2230, 83.9337, 45.3218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

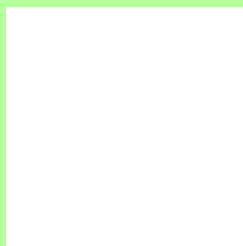
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 61.2230, 83.9337, 45.3218

Background



This preview shows how black text looks on a background with the XYZ color 61.2230, 83.9337, 45.3218.



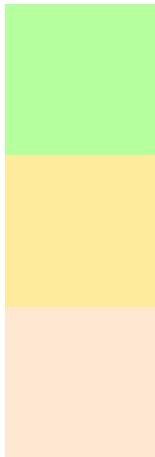
This preview shows how white text looks on a background with the XYZ color 61.2230, 83.9337,

45.3218.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

61.2230, 83.9337, 45.3218

Protanopia

76.9491, 83.0770, 43.4323

Deuteranopia

81.3245, 83.0153, 72.0589



Tritanopia

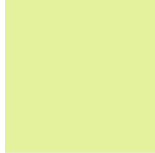
76.0836, 83.8322, 106.7789

Trichromacy



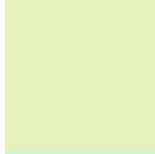
Original Color

61.2230, 83.9337, 45.3218



Protanomaly

69.8328, 82.4326, 44.1288



Deuteranomaly

72.4493, 82.5319, 60.8270



Tritanomaly

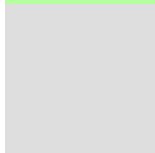
69.6935, 83.3582, 80.1267

Monochromacy



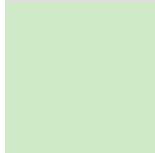
Original Color

61.2230, 83.9337, 45.3218



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

65.4637, 76.2346, 65.2973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.2230, 83.9337, 45.3218 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(182, 255, 158)` looks like.

```
.text, #text, p{  
    color:rgb(182, 255, 158)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(182, 255, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 255, 158) }
```

Border

The CSS property to change the border of an element to XYZ 61.2230, 83.9337, 45.3218 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(182, 255, 158) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(182, 255, 158) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(182, 255, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 255, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 255, 158);  
box-shadow:4px 4px 4px 4px rgb(182, 255,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 61.2230, 83.9337, 45.3218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 255, 158) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(182,  
255, 158) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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